SDWIS/STATE User Support Activity Report
for the Period March 29 - April 9, 2004

EVENTS OPENED DURING PERIOD - STILL OPEN

Date:	Event #:	Organization:	Originator:	Release:
3/30/2004	9338	ID	Howard Woods	8.0.4 NT

Status: O

Time Spent: 1.25

SDWIS/STATE Component: SBS

Problem/Question: Idaho uses SDWIS/STATE 8.0.4 NT in Windows XP and Windows 2000 server. We are using Oracle 8i.

We have a problem with the "Sample Summary Maintenance" list results together with the results in the "Sample Summary Maintenance - Change" window sometimes disagreeing with information in TSASSR.MEASURE.

We believe that the problem may be occurring when a lead summary result is saved, then later changed. We believe that the change is reflected in the GUI window, but not in the TSASSR.MEASURE datapoint. I have attached an MS Word document (see SDWIS/STATE e-mail account) showing the Maintenance List, and the query results together with the SQL statement that produced the query. The focus is on the same record in both the SDWIS window and the query datasheet view. Note that the data is in agreement in all nine of the unfocused records.

In examining the data, there do not appear to be any foreign keys pointing to the wrong records, so I do not believe that this is an RI problem. I suspect that there is some denormalized data in another table that the GUI is drawing from. I suspect that the denormalized data is changed when the record is edited, but not the TSASSR.MEASURE datapoint. Because of the lead controversy in the DC area, we have been running queries on lead results that exceed the action level. We have seen data discrepancies for several of the systems that had high lead. We have not examined copper data or data for systems below the action level.

If you have seen this problem before or can give me any info about it, I would appreciate it. I am also interested in what tables are changing when a lead summary is entered. I have looked to TSASMPSM and TSASSR. The results I am getting indicate that there must be at least one other table to which the results are being saved.

Respondee(s): Dianna Heaberlin

Resolution: Howard Woods 3/31/04: We have found the cause of the bad lead copper data in TSASSR.MEASURE. Testing also revealed a couple of minor problems you may want to fix.

Bad data: We had 92 records where TSASSR.MEASURE disagreed with TSASSR.MEASURE_TEXT. All records had a time stamp

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

on or before October 25, 2002. We began schema migration from SDWIS/STATE 7.0 to SDWIS/STATE 8.0 October 26, 2002. Conclusion: The data disagreement was caused by a bug in SDWIS/STATE 7.0. Anyone that entered lead/copper sample summary results using SDWIS/STATE 7.0 should do a comparison check of these fields. Listed below is the Oracle query that we used to do the check:

```
select a.measure, a.measure_text, a.tsassr_is_number, a.tsassr_st_code
from tsassr a
where length(trim(measure_text)) > 0
and measure <> to_number( measure_text )
```

Problems I discovered while testing 8.0.4:

1. Placing two decimal points, each between a different digit, into a result while editing the record will produce a disagreement between MEASURE and MEASURE_TEXT in that both decimals will appear in the text field while the decimal point will be converted into an additional zero in the numeric field.

2. If only one of result pair for a particular monitoring period is deleted followed by trying to add a new lead/copper record for the same period, an unlikely problem could occur. The following steps are one example of what could produce the problem:

--In existence: Lead and copper results for the year 2002.
--User deletes the lead result but not the copper result.
--User then attempts to add a new lead/copper record for the year 2002 entering both lead and copper results.
--Clicking OK produces an error message about the copper record that already exists and, at the same time, saves the lead information that does not have a monitoring period overlap problem.
--User clicks to clear the error message. The Add record window now shows the copper results that could not be saved but the lead results that were saved are gone.
--Now, the user deletes the copper results and enters a lead result other than the result that was just saved.
--User clicks "OK" and to all appearances, the record for lead is saved. However, a check reveals that the result in SDWIS/STATE is the result that was entered before the error message, not the new one entered after clearing the error message.

Otherwise, SDWIS/STATE 8.0.4 appeared unbreakable.

Dianna Heaberlin 3/31/04: Howard used a query we delivered with Relation.mdb in Release 8.0, SS-Smp Summ PBCU Qry, just to make sure we were all on the same page.

When he used this query, he noted that the measure_text and measure were not the same for his example summary. In the example summary, the measure_text was the changed value of 0.008 and the measure was the unchanged value of 0.075. (Howard noted this was a decimal placement error and when they moved the decimal to the left and rounded, the new result was 0.008.) In my testing, both values were updated each time I changed a value.

Date:	Event #:	Organization:	Originator:	Release:

Howard will try to replicate the error, paying special attention to the order in which the windows are opened, and both the measure and measure_text fields.

Dianna Heaberlin 3/30/04: I was unable to replicate this event.

Date	Event #	Organization	Originator	Release
4/1/2004	9351	R5	Jonathan Barney	8.0.4

Status: O

Time Spent: 1.75

SDWIS/STATE Component: MBS

Problem/Question: When we try to run the SDWIS/STATE CDS report function to create MRDL summaries, we get a Windows error. We are attempting to run:

--Monitoring and Noncompliance
--Edit > Compliance Decision Support > D/DBP Compliance Report
--Uncheck all except Create Chlorine/Chloramine MRDL Summaries at the bottom and fill in the dates (01/01/2004 - 03/31/2004).

The screen with the progress bars comes up, then it freezes with the progress at 0.0 and pops up an error message.

The following is a text printout of the error we receive:

MBSMAIN caused an exception c0000026H in module KERNEL32.DLL at
017f:bff88539.
Registers:
EAX=ffffffff CS=017f EIP=bff88539 EFLGS=00000213
EBX=ffffffff SS=0187 ESP=0077f360 EBP=0077f4e4
ECX=ffffffff DS=0187 ESI=0077f438 FS=3137
EDX=bff7687a ES=0187 EDI=819b2284 GS=0000
Bytes at CS:EIP:
5f 5e 5b 8b e5 5d c2 10 00 8b 4c 24 04 56 0f b7
Stack dump:
00000001 00000000 023b75b8 0001001f 00000000 00000000 00000000 00000000
00000000 00000000 ffff027f ffff4020 ffffffff 0225b194 041d017f 02279b90

We are running Windows 98, Oracle 8.1.7 Client, and SDWIS/STATE 8.0.4 on the Workstation, and Oracle 8.1.6 on the Server. I have also tried running the report from my workstation running Windows XP, and it just freezes at the same point, without any error

Date:	Event #:	Organization:	Originator:	Release:

message. Then I have to kill it with the Task Manager.

Respondee(s): Caesar Vinegas

Resolution: Caesar Vinegas 4/6/04: Jon sent the R5 schema. I loaded it, ran Create MRDL Summaries, but was not able to reproduce either problem: 1) process freezing, and 2) not creating MRDL summaries. I will try to reproduce on Windows XP and Oracle 8.1.6 server.

Caesar Vinegas 4/6/04: I tried to reproduce the error but it ran to completion. I asked Jon for a .dmp file of their schema.

Jonathan Barney 4/5/04: All of the dates in SDWIS/STATE for FEB2004 are 02/01/2004 to 02/29/2004.

Donna Irwin 4/5/04: The information you provided is pretty significant in that it seems to narrow down the point of failure to the present leap year. To be able to accurately reproduce the problem, could you please confirm what begin and end dates you have for the February 2004 monitoring period?

Jonathan Barney 4/5/04: I ran register.exe, and it seemed to run normally to completion. This did not have any effect on our problem; I still got a lockup when I tried to create the MRDL summaries for 1/1/2004 - 3/31/2004.

Ankur Patel tried some variations in the dates, and he found that the Create Summaries process would run to completion without an error, if the date range extended no further than February 28. That is, it runs OK for 1/1/2004 - 2/28/2004, but it freezes for 1/1/2004 - 2/29/2004 (or any date later than that). He wonders if the leap year day is not being handled properly.

Finally, I ran the Create Summaries for January only (1/1/2004 - 1/31/2004), ran CDS Setup, then ran the report for Chlorine/Chloramine   MRDL (all other boxes, including the Create Summaries, unchecked). All three processes appeared to run normally to completion. But, the report still showed many candidate M&R violations with notes saying "There is no MDBP Summary for this Facility Analyte Level (FANL) and Monitoring Period." Note that our FANLs are for Chlorine (analyte code 0999).

Just to check further, I looked at the MRDL summaries through SBS, and there were no new ones there--just the few that we had entered as summaries. I investigated one water system (Vineland) that had 3 results for January for Total Chlorine Residual (Free chlorine residual was null) entered in the Field Results screens. The report showed a violation for this system, with the note that there was no MDBP summary.

So, even when the Create Summaries process appears to run to completion, it is not actually creating the summaries, it would seem.

Donna Irwin 4/1/04: As a first step, Caesar suggested that you run register.exe. Is this the only report you are having problems with?

Time spent on above events (in hours):   3

Date:	Event #:	Organization:	Originator:	Release:
4/7/2004	9386	AK	Maria Ridgway	8.0.4

Status: C

Time Spent: 0.50

SDWIS/STATE Component: CDS Setup

Problem/Question: How is SDWIS handling TTHM MCL violations?

We entered a TTHM that exceeded the MCL. The sample was taken 3/8/2004. After running CDS Setup, it created "01" MCL violations for four quarters (1st/2nd/3rd/4th quarters of 2004). The attached document (see SDWIS/STATE e-mail account) shows how we set up the TTHM FANL, TTHM schedule (Non-TCR schedule), how the sample was entered, and the violations that it created. Also, I noticed that the Mon Period Start and Mon Period End were filled in (for TTHM) in the Sample Analytical Maintenance List after running CDS Setup.

The violations show in Migrate CDS Candidate violations.

Respondee(s): Binky Gabinete

Resolution: Binky Gabinete 4/7/04: I called Maria today to explain how the TTHM MCL Compliance Determination works. The fact that a candidate MCL violation was created for each of the quarters is per design. Users can retain or delete these candidate violations as new sample results are added.

Date:	Event #:	Organization:	Originator:	Release:
4/6/2004	9380	GA	Doug Davenport	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Georgia.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/7/04: Please find attached an MS Access 2000 database that includes an extract of Georgia's lead and copper sample data from SDWIS/FED as well as some reports and forms to help you determine your "Scenario" (see the document LC Rptg.doc for more). Please review both documents before using the database.

Date:	Event #:	Organization:	Originator:	Release:
4/1/2004	9348	IA	Mike Weimann	DWW

Status:	C
Time Spent:	0.50
SDWIS/STATE Component:	Drinking Water Watch
Problem/Question:	Can you provide us with a map of our state Iowa?
Respondee(s):	Belinda Barsotti/Fazal Mohammed
Resolution:	Fazal Mohammed: I spoke with Mike and helped him find the Iowa map, using the www.census.gov URL.
	Belinda Barsotti 4/1/04: I spoke to Mike and directed him to www.census.gov and the DWW Release Notes.

Date:	Event #:	Organization:	Originator:	Release:
4/5/2004	9355	IA	Mike Weimann	8.0.4

Status:	C
Time Spent:	0.75
SDWIS/STATE Component:	MTS:MBS
Problem/Question:	Attached (see SDWIS/STATE e-mail account) is a rejection report for CCR violations. Violations for 2002 uploaded, but in 2003, they were rejected.
Respondee(s):	Dianna Heaberlin
Resolution:	Dianna Heaberlin 4/5/04: After review of the data in your structure set, we determined that your program that moves violations from the Iowa Enforcement System to the SDWIS/STATE staging tables had not been updated since Release 7.0. SDWIS/STATE Release 8.0 modified the violation staging tables to provide both compliance period begin and end dates and violation period begin and end dates. The new violation period begin and end dates facilitate the changes in reporting to SDWIS/FED for reporting some violations as the date after a water system was to provide data to a primacy agency. The compliance period begin and end dates continue to be used to describe the monitoring period.
	The Federal Reporting Period Type field in the violation type table (TMNVIOL:FED_RPT_PERIOD_TYP) denotes the fields that should be valued in the TMGVIOL table for each violation type. If the type is "CP-Compliance Period," fields 11 and 12 must be valued. If the type is "VP-Violation Period," fields 29 and 30 must be valued.
	Changing your program to provide these new data elements should remedy your problem, but please advise us if it does not.

Date:	Event #:	Organization:	Originator:	Release:
4/6/2004	9366	IA	Mike Weimann	8.0.4

Status:	C
Time Spent:	0.75
SDWIS/STATE Component:	MTF:Sampling
Problem/Question:	Request for the Compare FED/STATE 90th % Data MS Access database tool - Iowa.
Respondee(s):	Scott Peterson/Gopa Nair
Resolution:	Scott Peterson 4/7/04: At the request of EPA Region 7, please find attached an MS Access 2000 database that includes an extract of Iowa's lead and copper sample data from SDWIS/FED as well as some reports and forms to help you determine the proper "Scenario" for Iowa (see the document LC Rptg.doc for more). Please review both documents before using the database.

Date:	Event #:	Organization:	Originator:	Release:
4/8/2004	9399	IA	Swallow Yan	8.0.4

Status:	C
Time Spent:	0.50
SDWIS/STATE Component:	Installation
Problem/Question:	The State of Iowa is currently using Oracle Enterprise Edition for SDWIS. For budget reasons, we may switch to the Standard Edition. Please let me know if the Standard Edition will be OK for SDWIS. Do you think it is possible we will have to use the Enterprise Edition in future?
Respondee(s):	Raghu Charugundla
Resolution:	Raghu Charugundla 4/9/04: Using Oracle Standard Edition (9i Release 2) for the next release of SDWIS/STATE (SSWr1) should be OK. If you want to use Oracle Standard Edition (8i or 9i Release 2) on the server for SDWIS/STATE Release 8.0, that should be fine too. Since the SDWIS applications are designed/coded not to use any database-specific features, there is no dependency on the Personal Edition, Standard Edition, or Enterprise Edition of the Oracle software.

Date:	Event #:	Organization:	Originator:	Release:
3/29/2004	9323	IN	April Swift	8.0.4

Status:	C
Time Spent:	0.50

Date:	Event #:	Organization:	Originator:	Release:

SDWIS/STATE Component: System Admin Guide

Problem/Question: I was talking to Wayne about duplicate checks and here is what I suggest:

TOCR/TOCF/ALKA-T#-MMYYYY

where,
  you use either TOCR, TOCF, or ALKA depending on the analysis;
  # indicates the plant number for that particular system;
  MM is the month and YYYY is the year (TOC is done on a monthly basis).

Can two systems have the same sample number? Because if that is not possible, then we may need to incorporate the PWSID or the system's name initials (3) somewhere to make that number unique. As you may have already realized, following the convention being proposed, many systems will have the "same" sample number and uniqueness won't hold.

Please let me know what you think. After we agree on a convention for doing this, I will start adding the IDs to the samples.

Respondee(s): Dianna Heaberlin

Resolution: Dianna Heaberlin 3/29/04: In the next release (SSWr1), the duplicate check for a sample will be lab sample number, lab certification number, and collection year. No two water systems will have the same sample number if they were analyzed by the same laboratory.

4/1/2004	9346	ND	Barrett Brown	8.0.4

Status: C

Time Spent: 0.50

SDWIS/STATE Component: General User Interface

Problem/Question: With regard to the SSWr1 design, when you open up a window and click on something, is it going to open up a new window, or will the new information open up in the current window? Also, will users be able to have multiple sessions of the same thing open?

Respondee(s): Leslie Flagler

Resolution: Leslie Flagler 4/1/04: Our design intention is that each selection from the primary home page (the equivalent of folder icons in 8.0) will launch a new browser task but within each "component" the pages will replace the right pane in the same session.

For example: Selecting one of the Inventory menu links will launch a browser in which the user will flow through the pages of Water System Search, Maintenance List, Modification, etc. in the right pane of the same browser task. If something under Sampling is selected, a second browser task will open.

Date:	Event #:	Organization:	Originator:	Release:

In regard to having multiple browsers with the same page open, this will be possible.

4/1/2004	9345	NE	Laura Hardesty	8.0.4

Status: C

Time Spent: 0.25

SDWIS/STATE Component: MTF:Sampling

Problem/Question: I need to know the criteria used by SDWIS/STATE which selects Lead and Copper Sample Summaries for migration to SDWIS/FED. I checked the design documents and administrator's guides for SDWIS/STATE 7.0 and 8.0, but did not find the selection criteria. If it is documented somewhere else, would you please send the reference?

Respondee(s): Dianna Heaberlin

Resolution: Dianna Heaberlin 4/1/04: The Migration to SDWIS/FED processing for lead 90th percentile is outlined in Section 8.2.2.2 PB90 Processing. I forwarded to Laura Chapter 8 of the SSWr1 Design Document.

4/6/2004	9368	NY	Tom Becker	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - New York.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Tom Becker 4/7/04: I found two of the reports a little hard to understand until I looked closely at the compliance period length.

I modified two of the queries and two of the reports to display "Compliance Period out of Range" and "Reported Level in Question" so I could immediately tell what the problem was.

You may want to borrow the changes. I have altered the descriptions of the queries and reports in the attached zip file (zp of course) so you can look at the modifications.

Note that it is dangerous to use the field "NAME" anywhere in Access, especially reports, because Access gets "NAME" confused

Date:	Event #:	Organization:	Originator:	Release:

with the actual "Name" of the report. I always use the alias "PWS_NAME" as I did in the attached.

Scott Peterson 4/6/04: Please find attached the (NY) Compare FED-STATE 90th Data.mdb for your use. It already has your lead and copper sample data from FED imported. The zip file (renamed with a zp extension) also includes the original text file of your extracted FED data.

Please review both documents included before using the database.

3/30/2004	9337	R10	Jane Schuster	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Jane called the hotline asking about a workaround for small states to use to get their lead and copper data processed.

Respondee(s): Dianna Heaberlin/Caesar Vinegas

Resolution: Caesar Vinegas 4/2/04: When reporting for lead 90th, the direction was to use the following logic (if Send All not selected):

1) Number of samples is greater than or equal to 20 and duration is 1 year or 3 years OR
2) Number of samples is greater than or equal to 40 and duration is 6 months OR
3) Water System population is greater than 3300 OR
4) (regardless of system size) if measure > action level

Although all the systems you noted in your e-mail are small systems based on population, the lead summaries were reported by virtue of criteria 1) and 2). They were monitoring as if they were not small systems.

The issues we are aware of and are in the process of fixing are:

1) Overreporting - All lead 90th summaries with sample count => 20 are being reported (regardless of duration).
2) Underreporting - Small systems monitoring with < 20 samples every 6 months are not being reported even if exceeding the lead action level.
3) Underreporting - MTF:Sampling is doing the same thing even if Send all is selected .

The issue you reported will be handled by the fix in Migration to SDWIS/FED: Sampling Release 8.0.5.

Jane Schuster 4/2/04: The Oregon file also contain samples from small systems.

Date:	Event #:	Organization:	Originator:	Release:

Jane Schuster 4/2/04: Alaska sent me their lead and copper samples from SDWIS/STATE (SQL Server) and the file did contain samples from some small systems and at least some of those samples are not action level exceedances. I have not checked the file that Oregon has sent yet, but perhaps there is a difference for SQL Server States although I cannot imagine why that would be.

Jane Schuster 3/30/04: I will await Migration to SDWIS/FED:Sampling 8.0.5.

Dianna Heaberlin 3/30/04: I will send an e-mail to Jane asking that she call me after today's SDWIS/FED Coordinator conference call.

4/9/2004	9405	R3	Jacqueline Pine	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - West Virginia

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/9/04: At your request, please find attached a database that contains an extract from SDWIS/FED of West Virginia's lead and copper sample data. This database also utilizes the MSACCESS view in SDWIS/STATE in order to allow users to review LCR 90th percentile results in their SDWIS/STATE database. Several reports are included that may be of assistance to you and West Virginia.

4/9/2004	9406	R3	Jacqueline Pine	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Delaware.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/9/04: At your request, please find attached a database that contains an extract from SDWIS/FED of Delaware's lead and copper sample data. This database also utilizes the MSACCESS view in SDWIS/STATE in order to allow users to review

Date:	Event #:	Organization:	Originator:	Release:

LCR 90th percentile results in their SDWIS/STATE database. Several reports are included that may be of assistance to you and Delaware.

4/7/2004	9393	R5	Jonathan Barney	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - R5.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/7/04: It looks like you were correct, you fit into Scenario C because:

--You currently maintain, as Lead & Copper sample summaries in SDWIS/STATE, all your lead and copper 90th Percentile results data that are required to be reported to EPA, and

--You have never used Migration to SDWIS/FED:Sampling to report required 90th Percentile Lead & Copper sample summaries to SDWIS/FED.

Additionally, we can conclude that you have never reported any of this data to SDWIS/FED since there is none there.

Although the database will not help you much, it does have one report that might be of value. It is a report that identified questionable 90th percentile results in your SDWIS/STATE database. An MS Access 2000 database is attached. Let me know if you need an MS Access 97 version.

Gopa Nair 4/7/04: Region 5 does not have any Lead & Copper sample data in the current SDWIS/FED database.

4/5/2004	9356	R6	Andy Waite	8.0.4

Status: C

Time Spent: 0.25

SDWIS/STATE Component: CDS Setup

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

Problem/Question: Having run the CDS Setup this morning with at start date of 01/01/1996+- and then running the LCR CDS report for the same period, all process seem to end successfully. However, when the MDB starts up it errors out. The debugger goes to:

```
Option Compare Database
Option Explicit

Private Sub Detail_Format(Cancel As Integer, FormatCount As Integer)
'   If the specific report is requested, set the visible property of
'   the subreport control to true.  If the report is requested, set
'   the page break control to visible.  Otherwise, the report is not
'   requested and the subreport control and page break control is
'   set to false.

'  Lead and Copper Action Level Compliance Report
    If (("" & [PBCU_ACT_LEVL_IND]) = "Y") Then
        Me.[subctlLCR-AL-sub].Report.Visible = True
        If (([PBCUTAP_CMPCHK_IND] = "Y") Or ([PBCU_WQP_MR_TT_IND] = "Y")
Or _
            ([PBCU_SRC_MR_TT_IND] = "Y")) Then
          Me![PageBreak_ALsub].Visible = True
        Else
          Me![PageBreak_ALsub].Visible = True
        End If
      Else
        Me.[subctlLCR-AL-sub].Report.Visible = False
        Me![PageBreak_ALsub].Visible = False
      End If

 '  Lead and Copper Tap M&R Compliance Report
    If ([PBCUTAP_CMPCHK_IND] = "Y") Then
        Me.[subctlLCR-VIO-MR-TAP-sub].Report.Visible = True
        If (([PBCU_WQP_MR_TT_IND] = "Y") Or ([PBCU_SRC_MR_TT_IND] =
  "Y")) Then
            Me![PageBreak_TAPsub].Visible = True
        Else
            Me![PageBreak_TAPsub].Visible = False
        End If
      Else
        Me.[subctlLCR-VIO-MR-TAP-sub].Report.Visible = False
        Me![PageBreak_TAPsub].Visible = False
```

Date:	Event #:	Organization:	Originator:	Release:

```
        End If

'  Lead and Copper WQP TT and M&R Compliance Report
   If ([PBCU_WQP_MR_TT_IND] = "Y") Then
      Me.[subctlLCR-VIO-TT-MR-WQP-sub].Report.Visible = True
      If ([PBCU_SRC_MR_TT_IND] = "Y") Then
         Me![PageBreak_WQPsub].Visible = True
      Else
         Me![PageBreak_WQPsub].Visible = False
      End If
   Else
      Me.[subctlLCR-VIO-TT-MR-WQP-sub].Report.Visible = False
      Me![PageBreak_WQPsub].Visible = False
   End If

'  Lead and Copper Source Water TT and M&R Compliance Report
   If ([PBCU_SRC_MR_TT_IND] = "Y") Then
      Me.[subctlLCR-VIO-TT-SRC-sub].Report.Visible = True
      Me.[subctlLCR-VIO-MR-SRC-sub].Report.Visible = True
   Else
      Me.[subctlLCR-VIO-TT-SRC-sub].Report.Visible = False
      Me.[subctlLCR-VIO-MR-SRC-sub].Report.Visible = False
   End If
End Sub
```

Respondee(s): Scott Peterson/Dianna Heaberlin

Resolution: Andy Waite 4/5/04: I replaced the CDSRPT.mdb with the one dated 7/8/2002, did the reconnect, and it worked.

Donna Irwin 4/5/04: Scott suggested that you replace your CDSRPTS.mdb (in c:\sdwis\cds) with a copy of the same from the 8.0.3 patch files. If that doesn't resolve the problem, I will refer this event to someone on the team who knows Microsoft Visual Basic.

4/6/2004	9376	R7	Carolyn Mitchell	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Date:	Event #:	Organization:	Originator:	Release:

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Nebraska.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/7/04: At the request of EPA Region 7, please find attached an MS Access 2000 database that includes an extract of Nebraska's lead and copper sample data from SDWIS/FED as well as some reports and forms to help you determine the proper "Scenario" for Nebraska (see the document LC Rptg.doc for more). Please review both documents before using the database.

4/6/2004	9375	R7	Carolyn Mitchell	8.0.4

Status: C

Time Spent: 1.00

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Missouri.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/7/04: Please find attached the MS Access 97 version of the database with your data in it.

Darrell Osterhoudt 4/7/04: I will need an MS Access 97 version of the "Compare FED-STATE 90th Data" database.

Scott Peterson 4/7/04: At the request of EPA Region 7, please find attached an MS Access 2000 database that includes an extract of Missouri's lead and copper sample data from SDWIS/FED as well as some reports and forms to help you determine the proper "Scenario" for Missouri (see the document LC Rptg.doc for more). Please review both documents before using the database.

4/6/2004	9374	R7	Carolyn Mitchell	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Kansas.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/7/04: At the request of EPA Region 7, please find attached an MS Access 2000 database that includes an extract

Date:	Event #:	Organization:	Originator:	Release:

of Kansas's lead and copper sample data from SDWIS/FED. I understand from Kansas personnel that they feel their lead and copper data in SDWIS/FED is accurate and up-to-date and that they have not yet used SDWIS/STATE to report the same. Nonetheless, you might find the information in this database helpful.

4/6/2004	9364	SC	Bruce Bleau	8.0.4

Status: C

Time Spent: 0.50

SDWIS/STATE Component: IBS

Problem/Question: We (Liz Florom and Bruce Bleau) are in the process of getting SDWIS/STATE off the ground. A question has arisen with regard to flow. As an example:

Well 1 goes to Treatment Plant 1
Treatment Plant 1 goes to Distribution

We have ID numbers for Wells and Treatment Plants, but not where the water enters distribution. Is a code necessary?

Our samples are only collected at the Source (Raw Water) if no treatment is applied. If treatment is applied, our samples will be collected at the Treatment Plant (Finished Water).   I believe that Distribution does not come into play.

Respondee(s): Vicki Gupta

Resolution: Bruce Bleau 04/07/04: You answered the question. We will enter a code from Plant to Distribution.

Vicki Gupta 04/07/04: If you are talking about State Asgn ID code, then the answer is yes, the code is necessary.

4/7/2004	9394	SC	Elizabeth Florom	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: SDWIS Admin

Problem/Question: I get an error message in System Administration Treatment Pairings when I try to sort on either the treatment objective or treatment process.

Respondee(s): Vicki Gupta

Date:	Event #:	Organization:	Originator:	Release:

Resolution: Vicki Gupta 04/08/04: I was able to re-create the issue following the steps below:

1) In the Treatment Objective Process Pairing window, click Sorted By for either Treatment Objectives or Treatment Pairings.

2) In the Objective Sorted By window, click OK without selecting anything. You will get an error as mentioned.

If you select something such as name or code and then click OK, it works fine. You need to select either name or code before clicking OK to make it run successfully.

I relayed this information to Elizabeth and she reported that it worked fine for her.

4/7/2004	9395	SC	Elizabeth Florom	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: Oracle Database

Problem/Question: Is there a procedure or SQL script that outlines copying (exporting) a state's data from an Oracle Database to load to a laptop into Personal Oracle? We are running Oracle 8.1.6 on our server.

Respondee(s): Raghu Charugundla

Resolution: Raghu Charugundla 4/8/04: There is no procedure or SQL in the SDWIS/STATE package for exporting an Oracle database (schema), as this is considered a routine Oracle DBA task. We have supplied a parameter file and instructions on importing data into Oracle databases in Chapter 3 of the Installation Guide.

Instructions on importing are provided in the guide. Listed below are guidelines on exporting:

1. Create a text file with the following information and save it as EXPORT.PAR under C:\backups folder (or any folder you wish). This file will be used as a parameter file for exporting. Change the password, file name and path (where you want to create the export .dmp file) appropriately.

```
userid = system/manager@dbpwss0
owner = SCV80
file = C:\backups\scv80_04072004.dmp
log = C:\backups\scv80_04072004.log
grants = N
buffer = 100000
```

Date:	Event #:	Organization:	Originator:	Release:

statistics = compute

2. Open a DOS window, type the following at the prompt:

exp parfile=c:\backups\export.par

3. Once the export is done, look in the scv80_04072004.log file for the line "Import terminated successfully without warnings." This is a way to know that the export completed fully. If you find "Import terminated successfully with warnings" in the log, you need to investigate and resolve why the export is only partially completed.

4/8/2004	9404	SDC	Scott Peterson	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - North Dakota

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/8/04: I sent Barrett version 2 of the database, which has the added feature of identifying summary results in the SDWIS/STATE database where the numeric and text measures are not equal.

4/6/2004	9373	VA	Joanne Vivas	8.0.4

Status: C

Time Spent: 0.75

SDWIS/STATE Component: MTF:Sampling

Problem/Question: Request for the Compare FED/STATE 90th % Data MS Access database tool - Virginia.

Respondee(s): Scott Peterson/Gopa Nair

Resolution: Scott Peterson 4/6/04: Please find attached the Virginia Compare FED-STATE 90th Data.mdb for your use. It already has your lead and copper sample data from FED imported. The zip file (renamed with a zp extension) also includes the original text file of your extracted FED data.

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

Please review both documents included before using the database.

Time spent on above events (in hours):   **15**

Date:	Event #:	Organization:	Originator:	Release:
3/8/2004	9263	AK	Maria Ridgway	8.0.4

Status: C

Time Spent: 1.25

SDWIS/STATE Component: SBS

Problem/Question: Maria asked which contaminant codes should be reported to SDWIS/FED under the requirements for gross alpha, uranium, and radium; specifically, whether she could use 4002 (total gross alpha). She also asked how SDWIS/STATE calculates if individual results are entered.

Respondee(s): Scott Peterson

Resolution: Scott Peterson 4/9/04: In SSWr1, you will be able to enter schedules for analyte code 4000 and have that schedule satisfied by a 4000 or 4002 result. Likewise, a 4002 result will be able to satisfy more than one schedule--a single 4002 result will be able to satisfy up to three schedules, a schedule 4000 (adjusted gross alpha), a schedule for combined radium (4010) and a schedule for uranium (4006), the latter two of course as a "substitute" result.

I do not think you will have to re-create your RAD schedules for SSWr1.

Maria Ridgway 3/8/04: Thank you for the quick response. Currently, we only have requirements for 4000. We will add 4006 and 4010 (we thought about using 4002 but will probably not do that because of the reporting requirements to SDWIS/FED).

Will this be handled differently in SSWr1? Are we going to re-create our RAD schedules for SSWr1?

Scott Peterson 3/8/04: The answer depends on whether you are asking about Release 8 or SSWr1. I will assume you are asking about Release 8.

In Release 8, the analyte referenced in your schedule needs to reflect the analyte used when entering a result. If a lab reports a total gross alpha and you enter it as such, you would use analyte code 4002 and your schedule would need to likewise reference 4002. In this case, if a PWS failed to monitor, SDWIS/STATE would generate a candidate M&R for 4002. You should contact your EPA Regional SDWIS/FED Coordinator to find out whether to report them this way or to change them so that they reference 4000.

For PWSs that are required to monitor for both total gross alpha and uranium in order to determine MCL compliance with the adjusted gross alpha MCL, you could enter a schedule for 4000. In this case, if both a 4002 and a uranium result (4006) are obtained (and uranium is entered in pCi/L), SDWIS/STATE will calculate the adjusted gross alpha result and use it when doing both MCL and M&R compliance. Likewise, for combined radium (analyte code 4010), you can use 4010 for the schedules. If you only enter a result for the two individual constituents (i.e., radium-226 and radium-228), SDWIS/STATE will add the two together and create a combined result and use the combined result to determine both M&R and MCL compliance. If a system failed to report a result for either individual radium, SDWIS/STATE would determine a M&R violation for 4010.

Date:	Event #:	Organization:	Originator:	Release:
3/12/2004	9279	AK	Maria Ridgway	8.0.4 SQL

Status: C

Time Spent: 2.25

SDWIS/STATE Component: MBS

Problem/Question: We recently added Bromate/Bromide M&R when we run the SWTR compliance report and it seems to take a long time and not do anything. We have to let it run for 5 hours and it still did not get done. We have only a few PWSs that have this requirement.

Respondee(s): Binky Gabinete

Resolution: Binky Gabinete: Maria confirmed that the workaround I suggested worked.

Donna Irwin 3/19/04: This event has been promoted to an SIR for SSWr1.

Binky Gabinete 3/19/04: I sent an e-mail to Maria detailing the workaround for this problem. In the meantime, they should use individual schedules for bromide (1004) and bromate (1011) in place of their current group schedules. They should delete all group schedules for analyte groups that contain: analyte 1011 only, or analyte 1004 only, or analytes 1011 and 1004 only. These said analyte groups should also be deleted from their database.

Binky Gabinete 3/16/04: I've informed Maria that this is a bug in the software. The qualifying condition that pulls records for this report needs to be fixed. The problem will manifest if there are analyte groups for just 1011 only, or 1004 only, or both 1011 and 1004 only.

Binky Gabinete 3/15/04: We received Alaska's .dmp file today. I will try to re-create the problem reported by Maria.

Binky Gabinete 3/12/04: Maria will send her database .dmp file by Monday, March 15, 2004, along with the parameters she used when running the SWTR report.

Date:	Event #:	Organization:	Originator:	Release:
3/14/2004	9282	ID	Howard Woods	8.0.4

Status: C

Time Spent: 1.25

SDWIS/STATE Component: SBS

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

Problem/Question: As a result of the description of problem described during yesterday's call I ran a query and determined that we had a few chlorine results in TSASMSMP.FLDTOT_CHL_RES_MSR. Since the CDS MDBP module does not calculate summaries properly with total chlorine, I began deleting the total chlorine results and re-entering them as free. (We do not collect information on our lab reports as to whether they are actually free or total.)

In a few cases, there were results for both free chlorine and total chlorine. I had a problem deleting the total chlorine in these cases; listed below are my software test results:

1. In the "Field Results" window, delete total result, leave free result in place, then click OK; in the "TCR Sample Maintenance by water system-change" window, click OK to save the record changes. If I open the same record again and check field results, the total result is still there, it didn't get deleted.

2. In the "Field Results" window, delete total result, leave free result in place, then click OK; in the "TCR Sample Maintenance by water system-change" window, click field results to go back and check my deletion. The "Field results" window indeed shows null in the "total chlorine residual" field. Now, I cancel or OK back to the "TCR Sample Maintenance by Water System - Change" window, and save the record. However, later, when I reopen the sample and check field results, the total result is still there. It still did not delete.

Workaround:

When both total and free have been saved in the same record, delete the free result, then click OK in the "Field results window" then click OK in the "TCR Sample Maintenance by Water System - Change" window.

Then reopen the sample and click on "field results." Delete the total result then enter the free result. Save the field result and the sample.

Respondee(s): Dianna Heaberlin

Resolution: Dianna Heaberlin 3/29/04: This is to document our discussion today concerning using field results from TCR samples to calculate Maximum Residual Disinfectant Levels (MRDL) summaries.

1. There is a known problem in Release 8.0 calculating averages, both monitoring period and running annual, when creating MRDL summaries. Illinois uncovered a bug in which the Calculate MRDL Summaries function (a process a user can select when running the D/DBP Rule Compliance Report) is not properly calculating averages under the following scenario. If one's SDWIS/STATE database has a MRDL FANL for 0999 (chlorine) but enters only a "Total Chlorine Residual" for one or more field results, the software does not take the Total Chlorine Residual result(s) into account when calculating the average. (Although, it will count the sample(s) for monitoring compliance purposes). Likewise, if one has a MRDL FANL for chloramines (1006) but enters only a "Field Free Chlorine Residual" for one or more of the field results, the software again does not properly calculate the averages (but does count all the samples for M&R compliance).

The software does correctly calculate the averages under the following scenario. If the water system has a distribution system that

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

has a MRDL FANL for 0999 (chlorine); when the lab reports a chlorine residual with the water system's TC sample, the lab reports/user enters the residual into the "Field Free Chlorine Residual" field (and not the Total Chlorine Residual field). Alternatively, if the water system has a distribution system that has a MRDL FANL for 1006 (chloramines); when the lab reports a chlorine residual with the water system's TC sample, the lab reports/user enters the residual into the "Total Chlorine Residual" field (and not the "Field Free Chlorine Residual" field).

2. In Idaho, all the FANLs for MRDLs use analyte code chlorine-0999. Also, you are entering TCR results with the field results using the online windows. You should instruct your input operator to always place the field results in the free chlorine field.

3. For existing TCR samples, if there are both free and total chlorine field results, this is not a problem. If there are free chlorine field results but not total chlorine field results, these are not a problem.

4. There are a few existing samples with total results but not free results. Entering the total result into the free field result will resolve these without the need to delete the total field results.

5. I did confirm your finding that the free chlorine residual field result may be deleted using the online windows; however, the total chlorine residual field result may not be deleted. A user may change the total chlorine residual field result but it can not be set back to null. It will be noted that this should be corrected in the next release (Event 9408 promoted to SSWr1 SIR).

3/1/2004   9240   MP   Daryl Kileleman   8.0

Status: C

Time Spent: 1.00

SDWIS/STATE
Component: MBS Reports

Problem/Question: When I click on the button in the MNC business system to run Precompliance, my computer stops responding. When I try to open up Precompliance to view any reports created for it, it gives me the following "EPA Log Error" message:

"An unexpected situation arose in your program.
The error has been recorded to a log file.
Please note the following information: Calling Procedure: frmWelcomeForm_Open
Error Number 3073
Please contact the system administrator."

When I click OK, a "Log Error" message appears:

"An unexpected situation arose in your program.

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

Please write down the following details:

Calling Proc: frmWelcomeForm_Open
Error Number 3073
Operation must use an updateable query.

Unable to record because Error 13
Type mismatch"

When I click OK, the welcome screen still comes up. But when I try clicking on the Precompliance button, it brings up an empty screen where it should display all the reports it ran. The exit button still works.

I'm using the following workstation environment:
SDWIS v8.0
Oracle 8.1.7

My computer has the following:
OS - Windows 98 SE
Microsoft Office 2000
Pentium 4 processor
18.6 gb storage
640 mb ram

Respondee(s):   Christine Tivel

Resolution: Christine Tivel: I sent Daryl another copy of the MSACCESS 2000 .mdb. He responded on 3/30/04 and indicated that everything is now working fine.

Christine Tivel 3/3/04: Please verify the following:

1) Is your Precompliance report (Precomp.mdb) for use with Access 2000? It should have a date of May 28, 2002@4:40 PM that appears on the initial Precomp.mdb screen.

2) Do you have an ODBC data source called PRECOMPLIANCE? Usually, when the software seems to stop processing after clicking on the Precompliance button from the MBS window, it is because the ODBC is not configured properly.

3) Do you have a printer connection configured on this workstation? If a printer is not configured on the workstation, I have noticed that MSACCESS databases do not execute properly.

4) When you enter the database (Precomp.mdb), click on F11. Go to the tables view and click on one of the linked tables (which have a globe next to the table name). When you click on the linked table do you receive an error or is data displayed?

Date:	Event #:	Organization:	Originator:	Release:

5) Have you been able to run this report before on this workstation or is this a new problem?

3/17/2004	9290	ND	Barrett Brown	8.0.4 NT

Status: C

Time Spent: 1.25

SDWIS/STATE Component: SBS

Problem/Question: When entering a RP TCR sample, by lab, after the user manually enters the PWS number and "Tabs" (tabbing is the key) to the next item, the user is being presented with the "Original Sample Information" selection list. However, when the user clicks the search button, the resulting window is blank. This is because the sample point hasn't been selected yet.

Respondee(s): Scott Peterson/Kelvin Foreman

Resolution: Kelvin Foreman 4/2/04: I don't believe it was designed to work this way, and Barrett's assumption is correct. (The design has been changed for SSWr1 so that when a candidate original sample search is initiated, the software will look for all samples collected at the same water system and water system facility, collected before the collection date of the current sample that (a) have a Total Coliform Result, or (b) have no results, but is a total coliform sample. The search will return its findings on the Coliform Sample/Sample Summary List sorted on Collection Date descending.

The workaround is as follows:

--Enter collection date.
--Enter sample type = RP.
--Click on the replacement indicator.
--Enter PWS number and when the original sample dialog box opens, press cancel to close it.
--Enter sampling point, the original sample pushbutton should be enabled.
--Click off the replacement indicator.

The list will be populated now.

Scott Peterson 3/26/04: I asked Kelvin to check:

(a) if this is working as designed for Release 8; and

(b) Barrett's assumption that nothing is showing because the user has not yet selected a sampling point.

Date: **Event #:**   **Organization:**   **Originator:**   **Release:**

I also asked Kelvin to provide a workaround for Barrett if there is a problem.

| 3/23/2004 | 9309 | OK | Darryl Snow | 8.0.4 |

Status: C

Time Spent: 1.25

SDWIS/STATE Component: CDS Setup

Problem/Question: For Lead and Copper Samples, when we run CDS Setup, the 90th % Values are incorrectly calculated (Example: 5.000000 mg/l instead of 0.005 mg/l). The original Sample Data was reported as ug/l (micrograms per liter).

Have there been any problem reports of this issue? Any patches released to correct?

Respondee(s):   Scott Peterson/Caesar Vinegas

Resolution: Scott Peterson 4/5/04: The Aggregate Lead and Copper process needs to be fixed so that it uses zero in its calculations whenever a result is marked as Less Than detect (as specified in the 8.0 design). Neither UOM code field should be considered--the software should just use zero. This event has been promoted to an SIR for SSWr1.

Scott Peterson 3/25/04: It is valid for a result to be marked as less than detect and to have a concentration so long as the concentration is less than or equal to the method detection limit. In these cases, we should still use zero. We need to change the process for SSWr1 so that it always uses zero when the less than field is Y.

Oklahoma has already updated their SARs by removing the value in Concentration and found that it solved the problem.

Scott Peterson 3/24/04: I asked Kelvin if he could import Oklahoma's schema to see what may be causing the problem described by Darryl.

Scott Peterson 3/23/04: If a result is marked as less than, our software treats it as a zero when calculating a 90th percentile so that should not be a factor; however, it is worth double-checking.

We need to get a copy of your schema and run a trace to see what is happening. Could you send your schema to the SDC along with a note that identifies a few of the summaries with this problem?

Darryl Snow 3/23/04: The summaries in question were indeed "CDSSETUP." Mike Harrell and I did find something interesting: We found PBCU Samples that were reported as "Less Than" the Detection Limit and also had "Concentration" populated. Could this possibly have caused this to happen?

Date:	Event #:	Organization:	Originator:	Release:

Scott Peterson 3/23/04: No one has reported a problem like this. Before we test this, would you please double check the USER ID on the 90th % summary that is wrong and make sure it says "CDSSETUP"? If it doesn't, it means that a user entered the summary, i.e., it was not created by the software.

Date	Event #	Organization	Originator	Release
3/10/2004	9272	VI	Harold Mark	8.0

Status: C

Time Spent: 7.75

SDWIS/STATE Component: Installation

Problem/Question: I have just downloaded Oracle 8i, and I need some guidance on installing the SDWIS/STATE software.

Respondee(s): Vicki Gupta/Raghu Charugundla

Resolution: Raghu Charugundla: When I asked Harold to perform certain tasks, I realized the Oracle 8i Personal Edition software had been only partially installed (there was no database instance created). I asked him to uninstall Personal Oracle using the Oracle Universal Installer application. Harold said he received a "could not find java.exe" error message. He also informed me that he received the same error every time he tried to open Personal Oracle Applications (e.g., Net8 Assistant, DBA Studio, SQL Plus) by going through the Start>>Programs>>Oracle Personal Edition menu. I asked Harold to use the downloaded Personal Oracle software and Pentium IV Patch software to open a fresh copy of the Oracle Universal Installer application. Once I knew this did not work, I walked Harold through the steps to manually uninstall the Personal Oracle software by deleting two folders from the file system and one folder from the registry. I suggested that he download a fresh copy of the Oracle 8i Personal Edition software from the Oracle Technology Network Web site (otn.oracle.com) and the Pentium IV Patch software from the Oracle Support Web site (metalink.oracle.com).

Harold successfully installed the patch and Personal Oracle software, and created a database instance. I then assisted him with downloading and installing SDWIS/STATE 8.0 for Windows NT from the SDWIS STATE Web site (http://www.epa.gov/safewater/sdwis_st/current.html). I asked Harold to read the Installation Guide and release notes for SDWIS/STATE 8.0.3 and 8.0.4.

Vicki Gupta 3/10/04: Harold and I worked on this event; it has been forwarded to Raghu for additional assistance.

Time spent on above events (in hours): 16

Date:	Event #:	Organization:	Originator:	Release:
	Total time on all events (in hours):	**34**		